Q: Fourier transform $F(u) = S\{f(x)\}=\int_{-\infty}^{\infty}f(x)e^{-\int_{-2}^{2}zuu x}dx$ f(x)= SF(u) = - F(w) e jzzux du $F(u,v)=\Im\{f(x,y)\}=\int_{\infty}^{\infty}\int_{\infty}f(x,y)e^{-j2x(ux+vy)}$ $f(x,y) = \int_{-\infty}^{\infty} \left[F(u,v) \right] = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} F(u,v) e^{j2\pi s \left(ux + u \cdot y \right)} du du$ F(u,v)= \frac{1}{mn} \frac{\text{m-1}}{\text{2}} \frac{\text{n-1}}{\text{7}} \frac{1}{\text{2}} \frac{1}{\te $f(x,y) = \frac{1}{mn} \sum_{(l=0)}^{m-1} \frac{n-l}{F(u,v)} e^{j2z(\frac{\alpha x}{m} + \frac{y^2}{n})}$